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(54) Title: RECOMBINANT EXPRESSION VECTORS FOR FUNCTIONAL Na<sub>v</sub>1.9 SODIUM CHANNELS

(57) Abstract: The present invention is drawn to the stable cloning and expression of Na<sub>v</sub>1.9 sodium channel at the mRNA and protein levels, production of sodium channel currents characteristic of native currents in dorsal root ganglion neurons and to cell lines transiently or stably expressing recombinant Na<sub>v</sub>1.9 sodium channel.

## INTERNATIONAL SEARCH REPORT

International application No.

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<b>A. CLASSIFICATION OF SUBJECT MATTER</b>		
IPC(7) : C12N 5/10, 15/63; G01N 33/53		
US CL : 435/7.2, 320.1, 325		
According to International Patent Classification (IPC) or to both national classification and IPC		
<b>B. FIELDS SEARCHED</b>		
Minimum documentation searched (classification system followed by classification symbols) U.S. : 435/7.2, 320.1, 325		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) Please See Continuation Sheet		
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	FR 2 771 103 A1 (DIETRICH et al.) 19 November 1998 (19.11.1998), see pages 17-18, 21-24, and 30-33.	1-33
X	WO 99/38889 A2 (YALE UNIVERSITY) 05 August 1999 (05.08.1999), see pages 10-22.	1-33
<input type="checkbox"/> Further documents are listed in the continuation of Box C. <input type="checkbox"/> See patent family annex.		
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"O"	document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
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**INTERNATIONAL SEARCH REPORT**

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**Continuation of B. FIELDS SEARCHED Item 3:**  
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